

UNITED STATES DEPARTMENT OF AGRICULTURE,

FEDERAL HORTICULTURAL BOARD,

Washington, D. C.

April 16, 1914.

NEWS LETTER NO. 8.

The most important interception during the month of March was some Egyptian cotton seed thoroughly infested with the pink boll worm (*Gelechia gossypiella*), offered for entry in violation of Quarantine No. 8. This insect is for Egypt what our boll weevil is for this country. Its larvae may remain in the seed in a dormant condition for six months and therefore may be very readily carried all over the world in the seed. The danger of the introduction of this pest, therefore, into the United States is very great and only partially covered by the quarantine referred to. In other words, any chance mail package of cotton seed of small value which may come through the customs office undetected may be the means of introducing this pest. It may also be brought in with seed cotton, namely, the unginne cotton, which is occasionally imported for some special experimental purpose, or even in Egyptian baled cotton, which often includes a few scattered seeds. All southern inspectors should be very watchful of possible introductions of this insect, either from cotton seed, seed cotton, or baled cotton, which latter is used in considerable quantity in southern mills. Warning letters on the subject of this insect have been issued by the Department of Agriculture.

In addition, the following records may be especially noted: Cuttings of *Euonymus* and chestnut from China exhibited many crescent-like scars, which were found to harbor the eggs of a tree hopper. The injury occasioned by these insects appears to be unlike that made by any of the tree hoppers of the United States. One positive and one doubtful report of the finding of brown-tail moth nests on French seedlings have been received. No less than nine egg masses of the European tussock moth (*Notolophus antiqua*) have been collected, five of which came from France and four from Holland. An interesting and apparently dangerous Buprestid larva has been detected in Japanese chestnut. As usual, many scale insects have been collected, some of which, if established, might prove to be serious enemies.

2.

In order to give horticulturists and others who are not entomological experts better insight into the nature of the pests intercepted, beginning with this letter, the common name of each of these pests will be given wherever possible and, when more than once repeated, the number of times each of these is reported will be indicated by a numeral after the name of the host plant or after the country of origin, rather than in a separate column. Inspectors are, however, requested to continue to give, when possible, the scientific names of the insects or diseases detected to secure greater accuracy.

Yours very truly,

C. L. MARLATT.

Chairman of Board.

List by States of Pests Collected.

Name of pest.	Host.	Country of origin.
<u>ALABAMA.</u>		
Aphis (root) (?)	Apple seedlings	France
<u>ARIZONA.</u>		
Disease:		
Bacterium tumefaciens (Crown gall)	Apple seedlings	France
<u>ARKANSAS.</u>		
Aspidiotus perniciosus (San Jose scale)	Pear seedlings	Japan
Lepidosaphes ulmi (Oyster-shell scale)	" "	"
Marmara sp. (?) (Bark Miner)	" "	"
Pseudaonidia paeoniae (Scale insect)	" "	"
Disease:		
Bacterium tumefaciens (Crown gall)	" "	"
<u>CALIFORNIA.</u>		
Agromyza websteri (Wistaria gall fly)	Wistaria	Japan (3)
Antonina crawii (Scale insect)	Bamboo	"
Aleyrodes sp. (White fly)	Azalea	Belgium
Aspidiotus camelliae (Greedy scale)	Clethra arborea	Australia
" cryptomeriae (Scale insect)	Cedars	Japan
Chionaspis wistariae (Wistaria scale)	Wistaria	" (5)
Cicada (?) (Eggs) ----	Persimmon	"
Diaspis pentagona (West Indian peach scale)	Prunus	"
" " " " " "	Flowering peach	"
" " " " " "	Cherry	"
Hemichionaspis aspidistrae (Fern scale)	Aspidistra lurida	"
Lepidosaphes newsteadii (Scale insect)	Sciadopitys verticillata"	(4)
" " " " " "	Umbrella pines	"
" ulmi (Oyster-shell scale)	Apple	France
Mantis (eggs) -----	Persimmon	Japan
Cdonaspis secreta (Bamboo scale)	Bamboo	"
Parlatoria theae (Scale insect)	Maple	" (2)
Porthetria dispar (Gipsy moth larvae (live))	Camellia	"
Pseudaonidia duplex (Scale insect)	Tea plants	"
" paeoniae " "	Camellia	" (2)
" " " "	Azalea	"
" " " "	Gardenia	"

Name of pest.	Host.	Country of origin.
<u>CALIFORNIA (Continued).</u>		
<i>Pseudococcus citri</i> (Citrus mealy bug)	Azaleas	Japan
" <i>ryani</i> (Mealy bug)	<i>Sciadopitys verticillata</i> "	(2)
" sp. " "	<i>Taxus, Ilex & Thuya obtusa</i> "	
" " " "	<i>Wistaria</i>	"
<i>Saissetia oleae</i> (Black scale)	<i>Alyxia buxyolia</i>	Australia
<i>Thyridopteryx</i> sp. (Bagworm)	<i>Juniper</i>	Japan

Disease:

<i>Bacterium tumefaciens</i> (Crown gall)	Plum and pear (?)	France
" " " "	<i>Syringa persica</i>	"
" " " "	<i>Myrobolan stocks</i>	"

COLORADO.

-----	Galls (?)	-----	Holland
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CONNECTICUT.

-----	Eggs.	-----	Holland
-----	Mite	Boxwood	"
-----	"	Rhododendron	"
Noctuid cocoons	-----	Manetti stock	France
Disease:			
-----	Fungus	Rhododendron	Holland

DISTRICT OF COLUMBIA.

<i>Bruchus obtectus</i> (Common bean weevil)	Lima beans	Italy
<i>Caryoborus baetris</i> (Weevil)	Palm seed	Brazil
Curculionid larvae	Myrtaceous fruit	"
<i>Ephestia cautella</i> (Fig moth)	Yellow flint corn	"
<i>Gelechia gossypiella</i> (Pink boll worm)	<i>Sakelaridis</i> cotton seed	Egypt
" " " " "	Cotton seed and lint	"
<i>Lepidosaphes beckii</i> (Purple scale)	Lemon plant	"
" <i>ulmi</i> (Oyster-shell scale)	Box	Holland
" " " " "	Boxwood	"
<i>Oxycarenus hialpennis</i> (Dusky cotton bug)	Cotton seed	Egypt
<i>Parlatoria</i> sp. (Scale insect)	<i>Magnolia yulan</i>	China
<i>Sitotroga cerealella</i> (Angoumois grain moth)	Yellow flint corn	Brazil
<i>Stephanoderes</i> sp. -----	<i>Coccoloba</i> sp.	Costa Rica

Name of pest.	Host.	of origin.	Country
DISTRICT OF COLUMBIA (Continued).			
Tingitid (?) eggs (Lace Wing)	Rhododendron		Holland (2)
Tree hopper eggs and egg punctures	Diospyros kaki; Euonymus;		
	chestnut (Castanea mol-		China
	lissima)		
Tyroglyphus sp. (White mite)	Seed of Cedrus deodara		India
Diseases:			
Ascochyta sp.	-----		China
Botrytis vulgaris (Gray mold)	Hydrangea		Holland
" " " "	Roses		"
Cephalothecium roseum	Boxwood		"
Colletotrichum sp.	Wild tea		Samoa
" " "	Mamelava (Dysoxylon alliaceum)		"
Coniothyrium sp.	Populus sp.		China
Fungus, Tubercularia-like	Tamarix sp.		"
Fusarium sp.	Boxwood		Holland (2)
" " "	Seed of white flowering vine		Brazil
Gloeosporium	Mamalupe (Small vine)		Samoa
Pestalozzia sp.	Areca n. sp.		Philippines
Phoma insidiosa	Holcus sorghum	Dutch	East Africa
" " "	Sorghum	German	West Africa
Phoma sp. (?)	Abelia trifolia		China
Septogloeum sp.	Pirus spectabilis		Sweden
Sphacelotheca sorghi (Smut)	Sorghum	German	West Africa
Sphaeropsis	Pirus spectabilis		England

Name of pest.	Host.	Country of origin.
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ILLINOIS.

Eriosoma lanigera (Woolly aphid)	Malus augustifolia	France
" " " "	Apple seedling	"
Leaf roller	Arbutus	"
Disease:		
Bacterium tumefaciens (Crown gall)	Arbutus	"

INDIANA.

Disease:		
Botrytis vulgaris (Gray mold)	Magnolia	Holland

KANSAS.

Notolophus antiqua (European tussock moth) (egg mass)	-----	France
----- Root knot?	Mahaleb	"

KENTUCKY.

Aphid	Biota, a species of arbor vitae	Holland
Lepidopterous egg masses	Laurus	"
Lepidosaphes ulmi (Oyster-shell scale)	Boxwood	" (2)
Disease:		
Leaf spot	Rhododendron	"

MARYLAND.

Cerataphis lataniae (Latania aphid)	Latania bourbonica	Belgium
Lepidosaphes ulmi (Oyster-shell scale)	Buxus sempervirens	Holland
Pseudococcus nipae (Palm mealy bug)	Latania bourbonica	Belgium

MASSACHUSETTS.

Lepidosaphes ulmi (Oyster-shell scale)	Japanese maples	Holland
----- (Pupa, unidentified)	-----	"
Diseases:		
Leptosphaeria sp. (Black fungus)	Wistaria	Japan
Mycorrhiza root knots (not injurious)	Hippophae rhamnoides	France

Name of pest.	Host.	Country of origin.
<u>MINNESOTA.</u>		
Aleyrodes sp. (White fly)	Azalea	Belgium
Ichneumonid cocoons	Ivy	Holland
Psyllid eggs	Malus	"
" "	Japan maple	"
Red spider eggs	Roses	"
<u>MISSOURI.</u>		
Notolophus antiqua (European tussock moth) (egg mass)	Soft maple	Holland
" " " " " "	Hydrangea	"
<u>NEBRASKA.</u>		
Diptera	Spruce	Holland
Jassids (dead)	In spider webs on boxwood	"
Larva (?)	Spruce	"
Otiorhynchid (Weevil)	"	"
Pinnaspis buxi (Scale insect)	Boxwood	"
<u>NEW HAMPSHIRE.</u>		
Lepidopterous cocoon (empty)	Apple	France
" pupa	"	"
Bacterium tumefaciens (Crown gall)	"	"
Hairy root	"	"
<u>NEW JERSEY.</u>		
Aleyrodes sp. (White fly)	Rhododendron	Holland
Aspidiotus sp. (Scale insect)	Pine needle	Japan
Bagworm	Forsythia	Holland
Bryobia sp. (Mite) (eggs)	Fruit trees	England
Fiorinia fioriniae japonica (Scale insect)	Pine needle	Japan
Lasius niger var. alienus	-----	France
Lecanium corni (European fruit Lecanium)	Boxwood	Holland
Lepidopterous larvae	Holly	France
Mantis egg mass	Pine	Japan
Notolophus antiqua (European tussock moth) (egg mass)		Holland
Philonthus politus (Rove beetle)	Fruit trees	England
Saw fly cocoon	" "	"
Spruce gall aphid	Spruce	"

Name of pest.	Host.	Country of origin.
<u>NEW JERSEY. (Continued)</u>		
Wireworm	-----	France
Disease:		
Bacterium tumefaciens (Crown gall)	Apples	England
<u>NEW YORK.</u>		
Euproctis chrysorrhoea (Brown-tail moth)	Fruit tree stock	France
Disease s:		
Bacterium tumefaciens (Crown gall)	Manetti rose stock	England (2)
Septogloeum sp. -----	Pyrus spectabilis	Sweden
<u>NORTH CAROLINA.</u>		
Lepidosaphes ulmi (Oyster-shell scale)	Camellia	France
Notolophus antiqua (European tussock moth) (eggs)	Norway maple	"
Disease:		
Bacterium tumefaciens (Crown gall)	Privet	"
<u>OHIO.</u>		
Apatela auricoma -----	Quince and mazzard	France
Aphis -----	Buxus	Holland
Cocoon, with dead pupa	Boxwood (?)	"
Lepidosaphes ulmi (Oyster-shell scale)	Buxus	"
" " " " "	Boxwood	"
Notolophus antiqua (European tussock moth) (eggs)	Japanese maple	"
" " " "	Manetti	France
Papilio sp. -----	Boxwood (?)	Holland
<u>OREGON.</u>		
Diseases:		
Bacterium tumefaciens (Crown gall)	Cherry	England
----- Gummosis	Cherry	"

Name of pest.	Host.	Country of origin.
<u>PENNSYLVANIA.</u>		
Euproctis chrysorrhoea (Brown-tail moth (?)) (cocoon)	Pear	France
Lepidosaphes ulmi (Oyster-shell scale)	Boxwood	Holland
Tingitid eggs (Lace Wing)	Rhododendron	" (2)
Diseases:		
Fusarium sp. -----	Norway maple	France
Fungus	Rhododendron	Holland (2)
<u>TENNESSEE.</u>		
Apatela auricoma -----	Pear seedlings	France
Epeira sericata (Spider) (Adult)	Buxus	Holland
Notolophus antiqua (European tussock moth) (eggs)	Fruit stocks	France
Galls	Juniper	"
Disease:		
Bacterium tumefaciens (Crown gall)	Pear	" (3)
<u>WASHINGTON.</u>		
Agromyza websteri (Wistaria gall fly)	Wistaria	Japan
Buprestid (larvae) (Wood borer)	Chestnut	"
Mantis egg mass -----	Wistaria and Euonymus	"
Marmara (Bark miner)	Chestnut	"
Parlatoria theae (Scale insect)	Maple	"

List by Countries of Pests Collected.

Name of pest.

Host.

AUSTRALIA.

Aspidiotus camelliae (Greedy scale.)	Clethra arborea
Saissetia oleae (Black scale.)	Alyxia buxifolia

BELGIUM.

Aleyrodes sp. (White fly)	Azalea (2)
Cerataphis lataniae (Latania aphid)	Latania bourbonica
Pseudococcus nipae (Palm mealy bug)	" "

BRAZIL.

Caryoborus baetris (Weevil)	Palm seed
Curculionid larvae (Curculio)	Myrtaceous fruit
Ephestia cautella (Fig moth)	Yellow flint corn
Sitotroga cerealella (Angoumois grain moth)	" " "
Disease:	
Fusarium sp. -----	Seed of a white flowering vine

CHINA.

Parlatoria sp. (Scale insect)	Magnolia yulan
----- (Tree hopper eggs and egg punctures)	Diospyros kaki; Euonymus; chestnut (Castanea mollissima)
Diseases:	
Ascochyta sp. -----	Undetermined
Coniothyrium sp. -----	Populus sp.
Fungus, Tubercularia-like -----	Tamarix sp.
Phoma sp.	Abelia trifolia

COSTA RICA.

Stephanoderes sp. (Beetle)	Coccoloba sp.
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DUTCH EAST AFRICA.

Disease:	
Phoma insidiosa F. Tassi -----	Holcus sorghum

Name of pest.	Host.
<u>EGYPT.</u>	
Gelechia gossypiella (Pink boll worm)	Cotton seed and lint
" " " " "	Sakelaridis cotton seed
Lepidosaphes beckii (Purple scale)	Lemon plant
Oxycaremus hialpennis (Dusky cotton bug)	Cotton seed
<u>ENGLAND.</u>	
Bryobia sp. (eggs) (Mite)	Fruit trees
Philonthus politus (Rove beetle)	" "
----- (cocoon) (Saw fly)	" "
----- (Spruce gall aphid)	Spruce
Diseases:	
Bacterium tumefaciens (Crown gall)	Apples
" " " "	Cherry
" " " "	Manetti Rose stock (2)
----- Gummosis	Cherry
Sphaeropsis	Pirus spectabilis

Name of pest.

Host.

FRANCE.

Apatela auricoma (cocoons)	Pear seedlings
" "	Quince and Mazzard
Aphis (root) (?) (Root aphis) (?)	Apple seedlings
Eriosoma lanigera (Wooly aphis)	Apple seedlings
" " " "	Malus angustifolia
Euproctis chrysorrhoea (Brown-tail moth)	Fruit tree stock
" " " " " (?) (cocoon)	Pear
----- Galls	Juniper
Lasius niger var. alienus	-----
----- Leaf roller	Arbutus
Lepidopterous cocoon (empty)	Apple
" larvae	Holly
" pupa	Apple
Lepidosaphes ulmi (Oyster-shell scale)	"
" " " " "	Camellia
Noctuid cocoons	Manetti stock
Notolophus antiqua (European tussock moth)	Fruit stocks
" " " " "	Manetti
" " " " "	Norway maple
" " " " "	-----
----- Wireworm	-----
Diseases:	
Bacterium tumefaciens (Crown Gall)	Plum and pear (?)
" " " "	Apple (2)
" " " "	Arbutus
" " " "	Myrobalan stocks
" " " "	Pear (3)
" " " "	Privet
" " " "	Syringa persica
Mycorrhizal root knots	Hippophae rhamnoides
Fusarium sp.	Norway maple
Hairy root	Apple
Root knot?	Mahaleb

Name of pest.

Host.

GERMAN WEST AFRICA.

Diseases:

Phoma insidiosa F. Tassi

Sorghum

Sphacelotheca sorghi (Lk.) Clint Smut

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HOLLAND.

Aleyrodes sp. (White fly)

Rhododendron

Aphid

Biota, a species of arbor-vitae

Aphis

Buxus

----- (Bagworm)

Forsythia

----- (Cocoon, with dead pupa)

Boxwood (?)

Diptera

Spruce

----- (Eggs)

Epeira sericata (Spider)

Buxus

----- (Galls)

Ichneumonid (cocoons)

Ivy

Jassids (dead)

In spider webs on boxwood

----- (Larva (?))

Spruce

Lecanium corni (European fruit Lecanium)

Boxwood

Lepidopterous egg masses

Laurus

Lepidosaphes ulmi (Oyster-shell scale)

Japanese maples

" " " " "

Buxus sempervirens

" " " " "

Buxus

" " " " "

Boxwood (6)

----- Mite

"

----- "

Rhododendron

Notolophus antiqua (European tussock moth)

Hydrangea

" " " " "

Soft maple

" " " " "

Japanese maple

" " " " "

Otiorhynchid (Weevil)

Spruce

Papilio sp.

Boxwood (?)

Pinaspis buxi (Scale insect)

"

Psyllid eggs

Japan maple

" "

Malus

----- Pupa (unidentified)

----- Red spider eggs

Roses

Tingitid eggs (Lacewing)

Rhododendron (4)

Name of pest.

Host.

HOLLAND (Continued).

Diseases:

Botrytis vulgaris (Gray mold)	Magnolia
" " " "	Hydrangea
" " " "	Roses
Cephalothecium roseum	Boxwood
----- (Fungus)	Rhododendron (3)
Fusarium sp.	Boxwood
----- (Leaf spot)	Rhododendron
Sclerotinia (?)	Boxwood

INDIA.

Tyroglyphus sp. (White mite)	Seed of Cedrus deodara
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ITALY.

Bruchus obtectus (Common bean weevil)	Lima beans
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JAPAN.

Agromyza websteri (Wistaria gall fly)	Wistaria (4)
Antonina crawii (Scale insect)	Bamboo
Aspidiotus cryptomeriae (Scale insect)	Cedars
" perniciosus (San Jose scale)	Pear seedlings
" sp. (Scale insect)	Pine needle
Buprestid (larvae) (Wood borer)	Chestnut
Chionaspis wistariae (Wistaria scale)	Wistaria (5)
Cicada (?) (eggs)	Persimmon
Diaspis pentagona (West Indian peach scale)	Flowering peach
" " " " " "	Prunus
" " " " " "	Cherry
Florinia fioriniae japonica (Scale insect)	Pine needle
Hemichionaspis aspidistrae (Fern scale)	Aspidistra lurida
Lepidosaphes newsteadii (Scale insect)	Sciadopitys verticillata (4)
" " " " " "	Umbrella pines
" ulmi (Oyster-shell scale)	Pear seedlings
Mantis eggs	Persimmon
" "	Wistaria
" "	Euonymus
" "	Pine

Name of pest.

Host.

JAPAN (Continued).

Marmara sp. (?) (Bark miner)	Pear seedlings
" " " "	Chestnut
Odonaspis secreta (Bamboo scale)	Bamboo
Parlatoria theae (Scale insect)	Maple (3)
Porthetria dispar (larvae) (Gipsy moth larvae (live))	Camellia
Pseudaonidia duplex (Scale insect)	Tea plants
" paeoniae " "	Gardenia
" " " "	Pear seedlings
" " " "	Azalea
" " " "	Camellia (2)
Pseudococcus citri (Citrus mealy bug)	Azalea
" ryani (Mealy bug)	Sciadopitys verticillata (2)
" sp. " "	Wistaria
" " " "	Taxus
" " " "	Ilex
" " " "	Thuya obtusa
Thyridopteryx sp. (Bagworm)	Juniper

Diseases:

Bacterian tumefaciens (Crown gall)	Pear seedlings
Leptosphaeria sp. (Black fungus)	Wistaria

PHILIPPINE ISLANDS.

Disease:

Pestalozzia sp.	Areca n. sp.
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SAMOA (AMERICAN).

Diseases:

Colletotrichum sp.	Wild tea
" "	Mamalava (Dysoxylon alliaceum)
Gloeosporium	Mamalupe (Small vine)

SWEDEN.

Disease:

Septogloeum sp.	Pyrus spectabilis
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